

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/070444 A2

(51) International Patent Classification⁷: **A61K 38/00**

(21) International Application Number:
PCT/US2005/001224

(22) International Filing Date: 13 January 2005 (13.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/608,945 13 January 2004 (13.01.2004) US

(71) Applicant (for all designated States except US): VASO-
GENIX PHARMACEUTICALS, INC. [US/US]; 8526
Bluejacket Street, Lenexa, KS 66214 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SOUTHARD,
Jeffrey, L. [US/US]; 15707 W. 126th Street, Olathe, KS
66062 (US). SOUTHARD, George, Lee [US/US]; 444
lighthouse Way, Sanibel, FL 33957 (US).

(74) Agents: GRUPPI, Carol, M. et al.; Morrison & Foerster
LLP, 755 Page Mill Road, Palo Alto, CA 94304 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

WO 2005/070444 A2

(54) Title: METHODS OF USING CGRP FOR CARDIOVASCULAR AND RENAL INDICATIONS

(57) Abstract: The present invention provides methods of treating and preventing mortality associated with heart failure and renal insufficiency in a Stage B, C, or D heart failure patient, and for improving quality of life by providing improved methods of administering a therapeutically effective amount CGRP. One method comprise administering between about 50 and about 500 ng/min of CGRP for a time between 30 minutes and 8 hours per day for as many days as needed to provide symptomatic relief, prevent exacerbation of symptoms, and/or prevent and/or delay progression of the disease state of heart failure in said patient. The therapies can be administered on an outpatient or inpatient basis.